

ACT Profile Report - State

Graduating Class 2009
North Carolina



Table of Contents

Section I: Executive Summary	Page 5
Percent of Your Students Ready for College-Level Coursework	
Five Year Trends—Percent of Students Meeting College Readiness Benchmarks	
Five Year Trends—Average ACT Scores	
Five Year Trends—Average ACT Scores by Level of Preparation	
Five Year Trends—Percent and Average Composite Score by Race/Ethnicity	
Section II: Academic Achievement	Page 9
ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values	
Average ACT Composite Scores for Race/Ethnicity by Level of Preparation	
Average ACT Scores by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT Scores by Gender	
Percent of Students Meeting College Readiness Benchmark Scores by Gender	
College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum	
College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum	
Section III: College Readiness & Impact of Course Rigor	Page 15
Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity	
Average ACT Scores and Average ACT Score Changes by Common Course Patterns	
College Readiness Percents by Common Course Patterns	
Section IV: Career and Educational Aspirations	Page 23
Distribution of Planned Educational Majors for All Students by College Plans	
Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations	
Students' Score Report Preferences at Time of Testing	
Section V: Optional Writing Test Results	Page 27
Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing	

This report provides information about the performance of your 2009 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2009 and tested under standard time conditions.

This report focuses on:

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Further, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

26% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 13,347 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

MAKING CORE CURRICULUM A PRIORITY: Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 80% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 3% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 4% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 12% of these students were college ready. In comparison, 54% of the students who advanced beyond minimum math core were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 11% of the cohort took less than three years of natural science courses. 8% of these students were college ready. In comparison, 33% of students who took at least three years of science coursework were college ready.

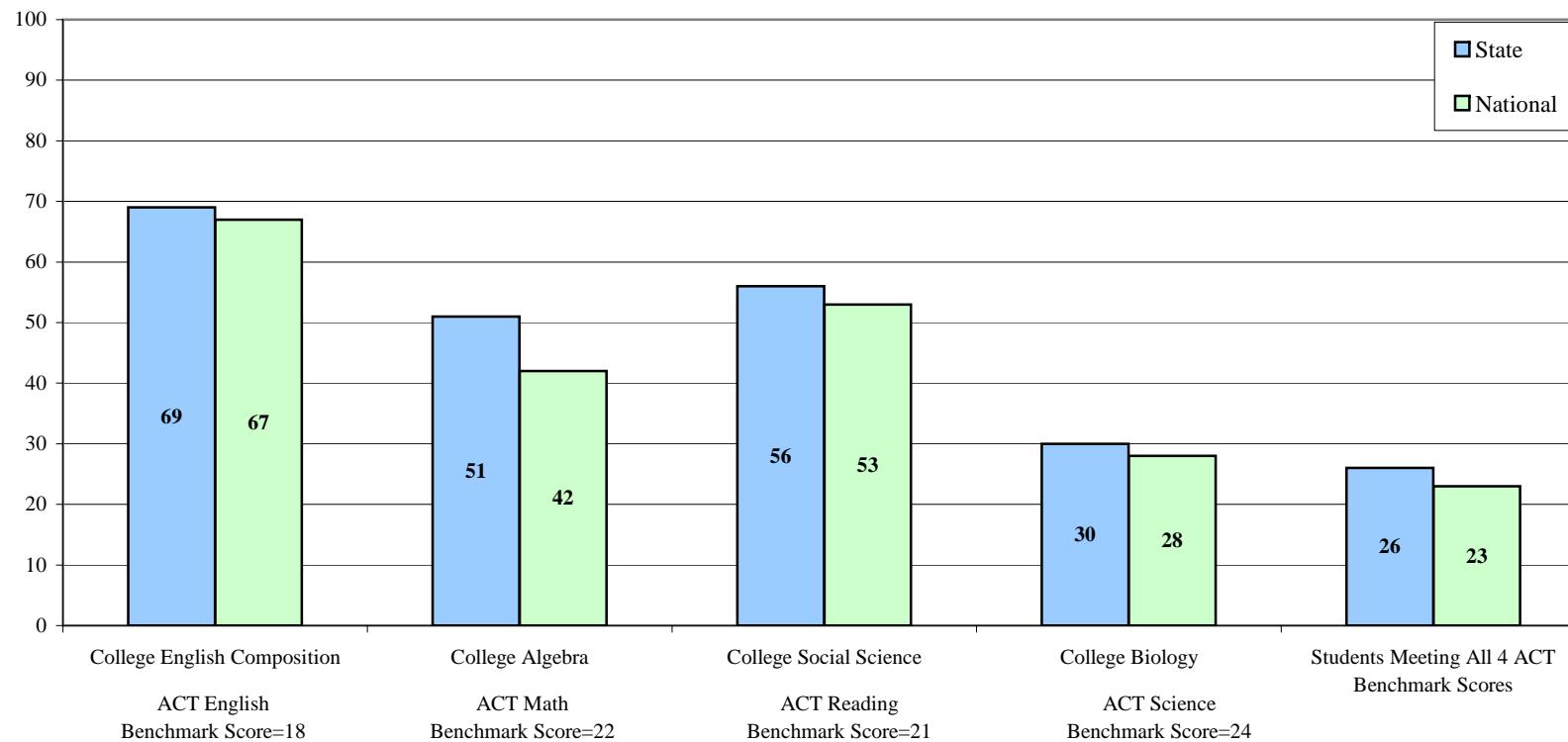
EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 38% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 404-231-1952.

Section I

Executive Summary

Figure 1.1. Percent of Your Students Ready for College-Level Coursework

A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Year	Number of Students Tested		Percent Meeting Benchmarks									
	State	National	English		Mathematics		Reading		Science		Meeting All Four	
			State	National	State	National	State	National	State	National	State	National
2005	10,697	1,186,251	59	68	38	41	46	51	21	26	17	21
2006	10,359	1,206,455	61	69	42	42	49	53	23	27	19	21
2007	12,202	1,300,599	66	69	46	43	52	53	28	28	23	23
2008	13,054	1,421,941	67	68	49	43	55	53	28	28	24	22
2009	13,347	1,480,469	69	67	51	42	56	53	30	28	26	23

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
	State	National	English		Mathematics		Reading		Science		Composite	
			State	National	State	National	State	National	State	National	State	National
2005	10,697	1,186,251	19.3	20.4	20.4	20.7	20.6	21.3	20.0	20.9	20.2	20.9
2006	10,359	1,206,455	19.6	20.6	20.9	20.8	20.9	21.4	20.2	20.9	20.5	21.1
2007	12,202	1,300,599	20.2	20.7	21.4	21.0	21.4	21.5	20.7	21.0	21.0	21.2
2008	13,054	1,421,941	20.5	20.6	21.8	21.0	21.7	21.4	20.8	20.8	21.3	21.1
2009	13,347	1,480,469	20.9	20.6	22.0	21.0	21.9	21.4	21.1	20.9	21.6	21.1

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested		Average ACT Scores					
	State	National	English	Mathematics	Reading	Science	Composite	
			State	National	State	National	State	National
2005		1,186,251	20.4	20.7	21.3	20.9	20.9	
2006		1,206,455	20.6	20.8	21.4	20.9	20.9	
2007		1,300,599	20.7	21.0	21.5	21.0	21.0	
2008		1,421,941	20.6	21.0	21.4	20.8	21.1	
2009		1,480,469	20.6	21.0	21.4	20.9	21.1	

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Year	Number of Students Tested		Percent ²		English		Mathematics		Reading		Science		Composite	
	Core or More ¹	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2005	5,491	3,918	51	37	20.6	17.1	21.5	18.8	21.9	18.7	21.0	18.6	21.4	18.4
2006	5,408	3,464	52	33	20.7	17.5	21.8	19.2	22.0	19.1	21.1	18.8	21.5	18.8
2007	6,721	3,666	55	30	21.1	18.1	22.1	19.7	22.2	19.6	21.5	19.2	21.8	19.3
2008	9,169	2,905	70	22	21.3	17.7	22.4	19.6	22.4	19.2	21.4	18.7	22.0	18.9
2009	10,743	2,296	80	17	21.7	17.3	22.7	19.0	22.7	18.9	21.7	18.5	22.3	18.6

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	2005			2006			2007			2008			2009		
	N	%	Avg												
All Students	10,697	100	20.2	10,359	100	20.5	12,202	100	21.0	13,054	100	21.3	13,347	100	21.6
African American/Black	3,174	30	16.6	2,755	27	16.8	2,759	23	16.9	2,934	22	17.0	2,946	22	17.1
American Indian/Alaska Native	126	1	18.4	94	1	18.3	110	1	18.8	118	1	20.2	117	1	19.8
Caucasian American/White	6,019	56	21.9	5,671	55	22.0	6,864	56	22.4	8,013	61	22.6	8,571	64	23.0
Hispanic	262	2	19.5	260	3	20.5	313	3	20.2	369	3	20.7	432	3	20.9
Asian American/Pacific Islander	254	2	21.8	226	2	22.8	285	2	22.7	349	3	24.5	374	3	24.7
Other/No Response	862	8	21.2	1,353	13	21.5	1,871	15	22.2	1,271	10	22.5	907	7	22.4

Section II

Academic Achievement

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	47	100	55	100	177	100	49	100	6	100	36
35	151	100	94	100	70	99	57	100	49	100	35
34	211	99	146	99	225	98	108	99	85	100	34
33	191	97	194	98	363	96	81	98	127	99	33
32	222	96	192	96	344	94	85	98	167	98	32
31	219	94	256	95	431	91	142	97	245	97	31
30	331	92	216	93	490	88	213	96	311	95	30
29	306	90	400	91	305	84	259	94	412	93	29
28	466	87	501	88	472	82	297	93	504	89	28
27	353	84	669	85	498	78	335	90	568	86	27
26	628	81	842	80	472	75	546	88	694	81	26
25	708	77	844	73	512	71	1,070	84	768	76	25
24	677	71	938	67	784	67	775	76	843	71	24
23	723	66	778	60	710	61	923	70	868	64	23
22	865	61	664	54	767	56	1,050	63	915	58	22
21	884	54	776	49	852	50	1,089	55	884	51	21
20	853	48	636	43	739	44	1,391	47	908	44	20
19	687	41	772	39	847	38	1,037	37	928	37	19
18	668	36	855	33	541	32	1,013	29	880	30	18
17	605	31	1,095	26	749	28	564	21	784	24	17
16	679	27	1,253	18	781	22	546	17	692	18	16
15	689	22	731	9	548	17	391	13	610	13	15
14	437	16	326	3	549	13	391	10	472	8	14
13	414	13	72	1	461	8	333	7	365	5	13
12	364	10	22	1	304	5	221	5	162	2	12
11	308	7	10	1	194	3	163	3	60	1	11
10	255	5	5	1	69	1	91	2	26	1	10
9	213	3	4	1	44	1	70	1	7	1	9
8	94	1	0	1	31	1	27	1	2	1	8
7	59	1	1	1	5	1	8	1	4	1	7
6	25	1	0	1	0	1	16	1	1	1	6
5	10	1	0	1	5	1	3	1	0	1	5
4	5	1	0	1	5	1	1	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	3	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
Avg (SD)	20.9 (6.4)		22.0 (5.3)		21.9 (6.3)		21.1 (5.0)		21.6 (5.2)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score	
	Usage/ Mechanics		Rhetorical Skills		Social Studies		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry			
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP		
18	534	100	169	100	530	100	799	100	667	100	153	100	142	100	18	
17	667	96	172	99	489	96	491	94	1,067	95	208	99	62	99	17	
16	608	91	639	97	762	92	1,241	90	793	87	461	97	528	98	16	
15	766	86	919	93	897	87	1,308	81	965	81	520	94	741	95	15	
14	667	81	1,003	86	868	80	1,113	71	1,079	74	1,584	90	1,073	89	14	
13	930	76	1,124	78	897	73	702	63	1,076	66	1,126	78	1,741	81	13	
12	1,008	69	1,567	70	1,206	67	1,044	58	1,317	58	1,669	70	1,189	68	12	
11	1,175	61	1,362	58	1,116	58	1,224	50	1,201	48	1,622	57	1,615	59	11	
10	1,404	52	1,556	48	1,260	49	936	41	1,176	39	2,324	45	1,738	47	10	
9	1,329	42	1,402	36	1,554	40	863	34	1,056	30	1,500	28	1,493	34	9	
8	886	32	1,183	26	1,366	28	1,122	27	1,272	22	981	16	1,131	23	8	
7	1,046	25	882	17	1,097	18	798	19	1,139	13	553	9	619	14	7	
6	878	17	403	10	641	10	719	13	367	4	228	5	483	10	6	
5	612	11	451	7	337	5	609	7	114	1	247	3	336	6	5	
4	486	6	307	4	128	2	241	3	38	1	88	1	202	3	4	
3	239	3	173	2	104	1	90	1	18	1	54	1	167	2	3	
2	103	1	30	1	62	1	43	1	1	1	15	1	49	1	2	
1	9	1	5	1	33	1	4	1	1	1	14	1	38	1	1	
Avg (SD)	10.5 (4.0)		10.7 (3.3)		10.9 (3.6)		11.5 (3.9)		11.8 (3.5)		11.1 (2.8)		10.7 (3.1)		Avg (SD)	

¹CP is the cumulative percent of students at or below a score point.

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	25	26	27	24	25
Q2 (50th Percentile)	21	22	21	21	21
Q1 (25th Percentile)	16	17	17	18	18

Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score Core or More	Average ACT Composite Score Less Than Core
State	All Students	13,347	80	22.3	18.6
	African American/Black	2,946	65	18.0	15.6
	American Indian/Alaska Native	117	81	20.3	17.4
	Caucasian American/White	8,571	86	23.3	20.8
	Hispanic	432	82	21.2	19.5
	Asian American/Pacific Islander	374	90	25.0	22.7
	Other/No Response	907	78	22.9	20.1
National	All Students	1,480,469	70	22.0	19.1
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	20.9	22.0	21.9	21.1	21.6
	African American/Black	15.6	18.0	17.1	17.3	17.1
	American Indian/Alaska Native	18.2	20.2	20.1	20.0	19.8
	Caucasian American/White	22.6	23.2	23.4	22.2	23.0
	Hispanic	19.9	21.1	21.5	20.6	20.9
	Asian American/Pacific Islander	23.7	26.4	24.3	24.1	24.7
	Other/No Response	21.9	22.5	23.0	21.7	22.4
National	All Students	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	600	4	489	4	835	6	295	2
	28 to 32	1,544	12	1,565	12	2,042	15	996	7
	24 to 27	2,366	18	3,293	25	2,266	17	2,726	20
	20 to 23	3,325	25	2,854	21	3,068	23	4,453	33
	16 to 19	2,639	20	3,975	30	2,918	22	3,160	24
	13 to 15	1,540	12	1,129	8	1,558	12	1,115	8
	01 to 12	1,333	10	42	0	660	5	602	5
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	5,700	43	20.4	22.7	21.7	21.6	21.7
	Females	7,612	57	21.3	21.5	22.1	20.7	21.5
	Missing	35	0	21.0	22.9	22.6	22.0	22.3
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students					Meet All Four
		English	Mathematics	Reading	Science	All Four	
State	Males	65	55	54	35	30	
	Females	71	47	57	26	23	
National	Males	65	47	52	33	27	
	Females	69	38	53	24	20	

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ³	Avg
State	Core or More ²	10,743	75	21.7	57	22.7	61	22.7	34	21.7	29	22.3
	Less than Core	2,296	43	17.3	25	19.0	34	18.9	15	18.5	11	18.6
	Missing	308	57	19.2	44	20.9	43	20.2	22	20.0	19	20.2
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

¹"Curriculum Taken" reflects overall high school curriculum in this table.²"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.³Composite CRB% results reflect students who meet all four subject-area benchmarks.**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More	12,914	69	21.0	12,678	52	22.2	12,190	57	22.1	11,559	33	21.6
	Less than Core	161	53	18.2	383	7	16.2	871	43	20.1	1,500	8	17.5
	Missing	272	60	19.6	286	45	21.0	286	45	20.5	288	24	20.3
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

¹"Curriculum Taken" reflects content-specific curriculum in this table.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

Section III

College Readiness and the Impact of Course Rigor

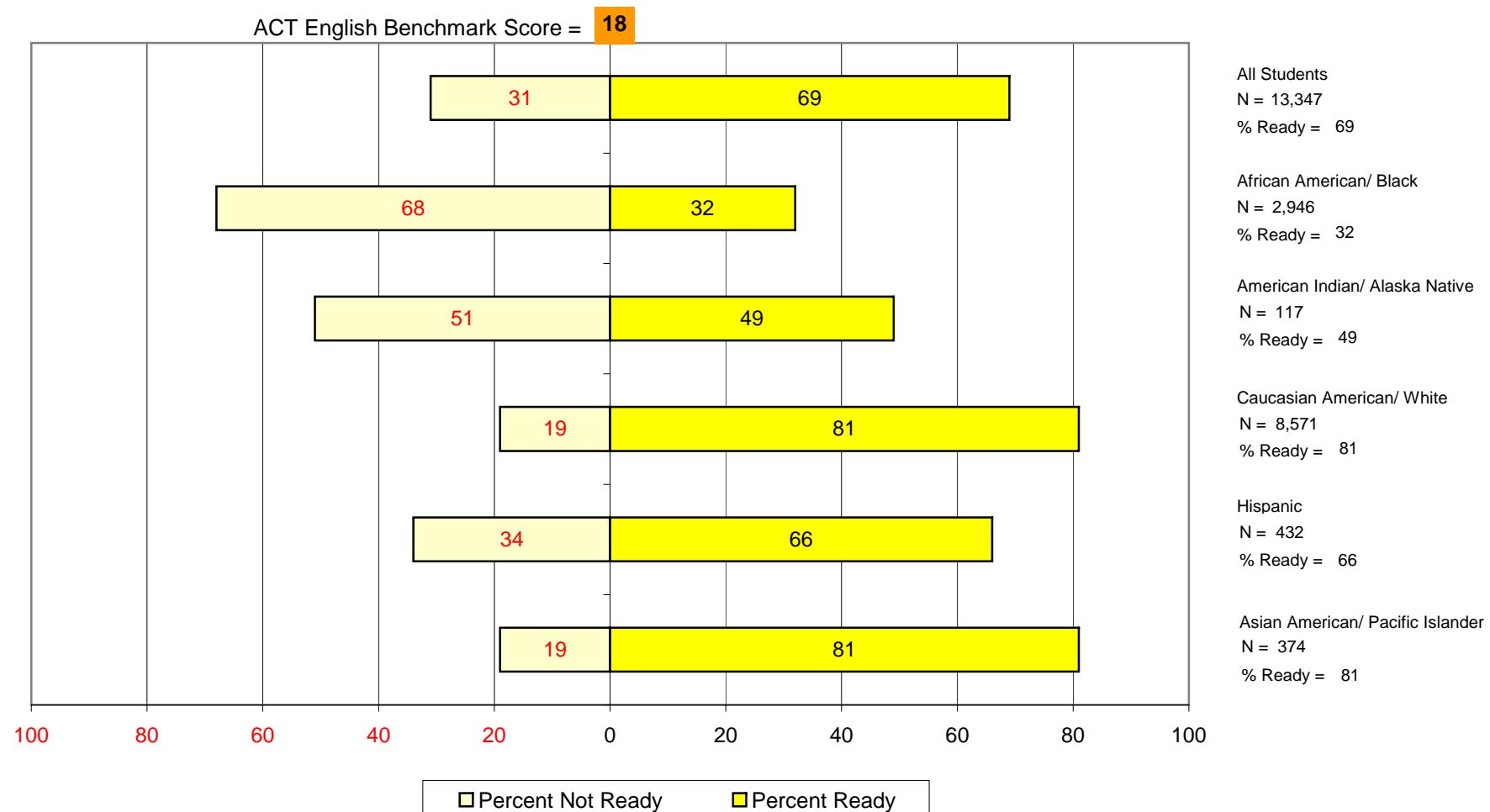
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH

Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

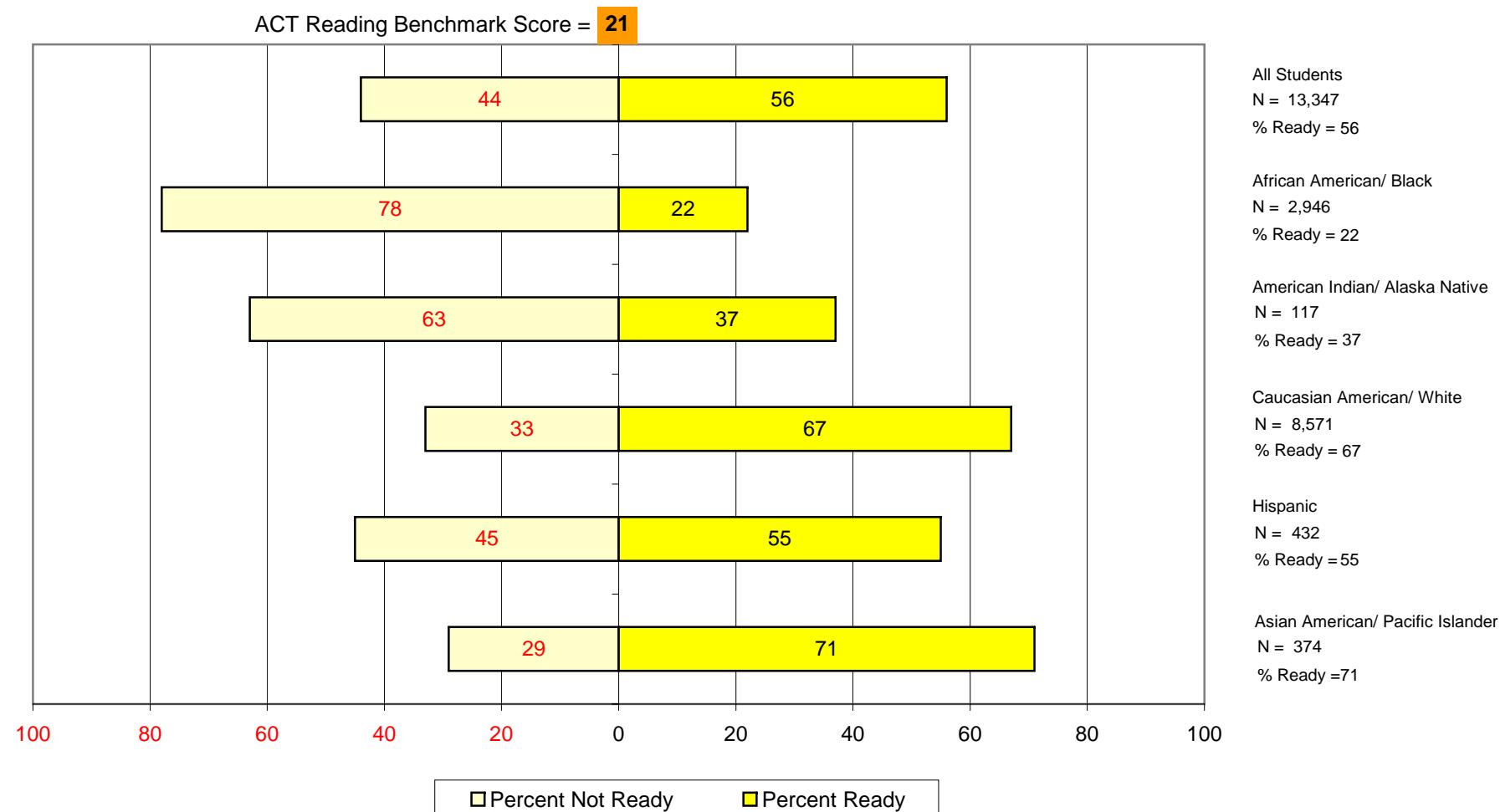
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

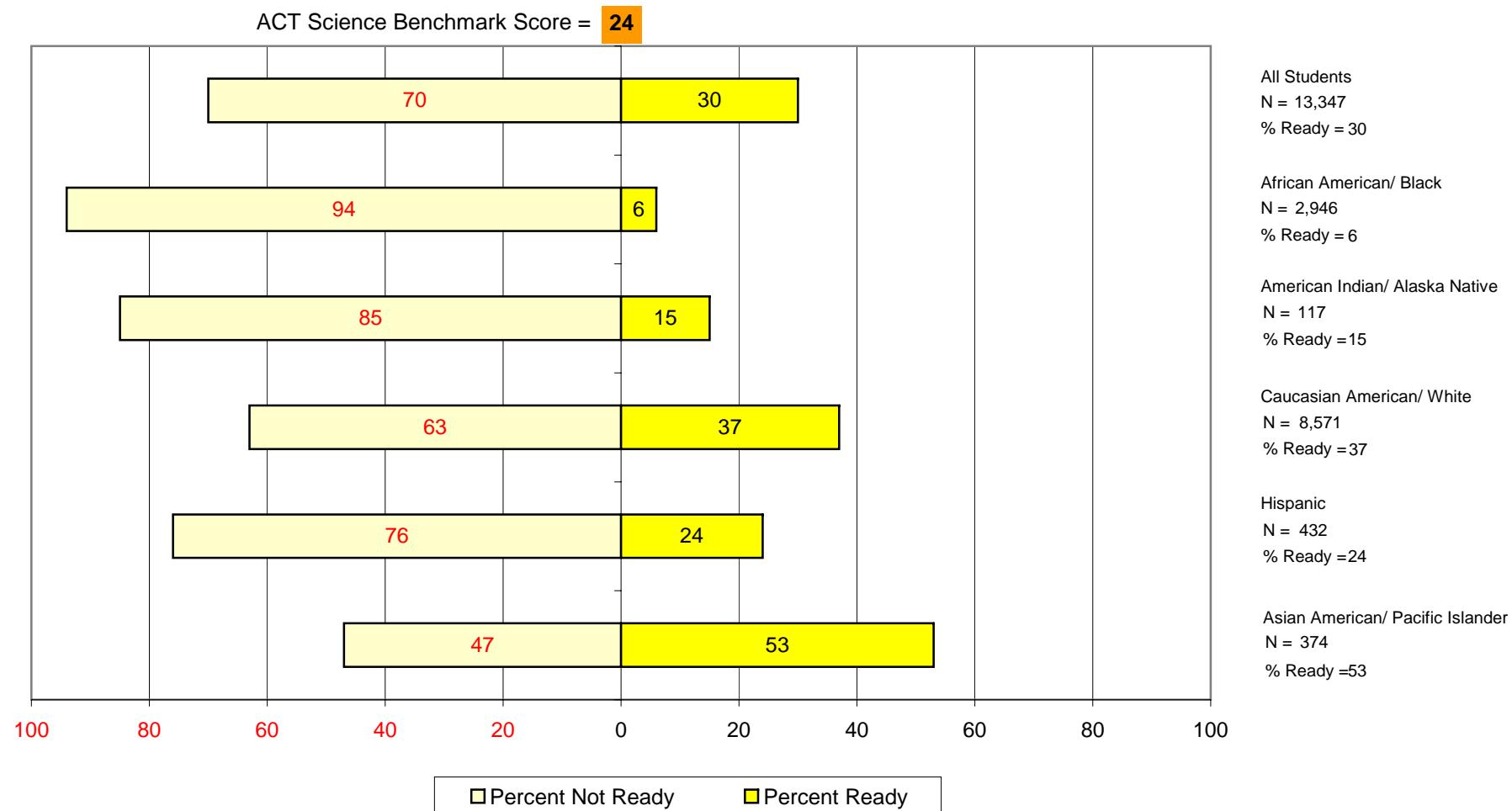
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

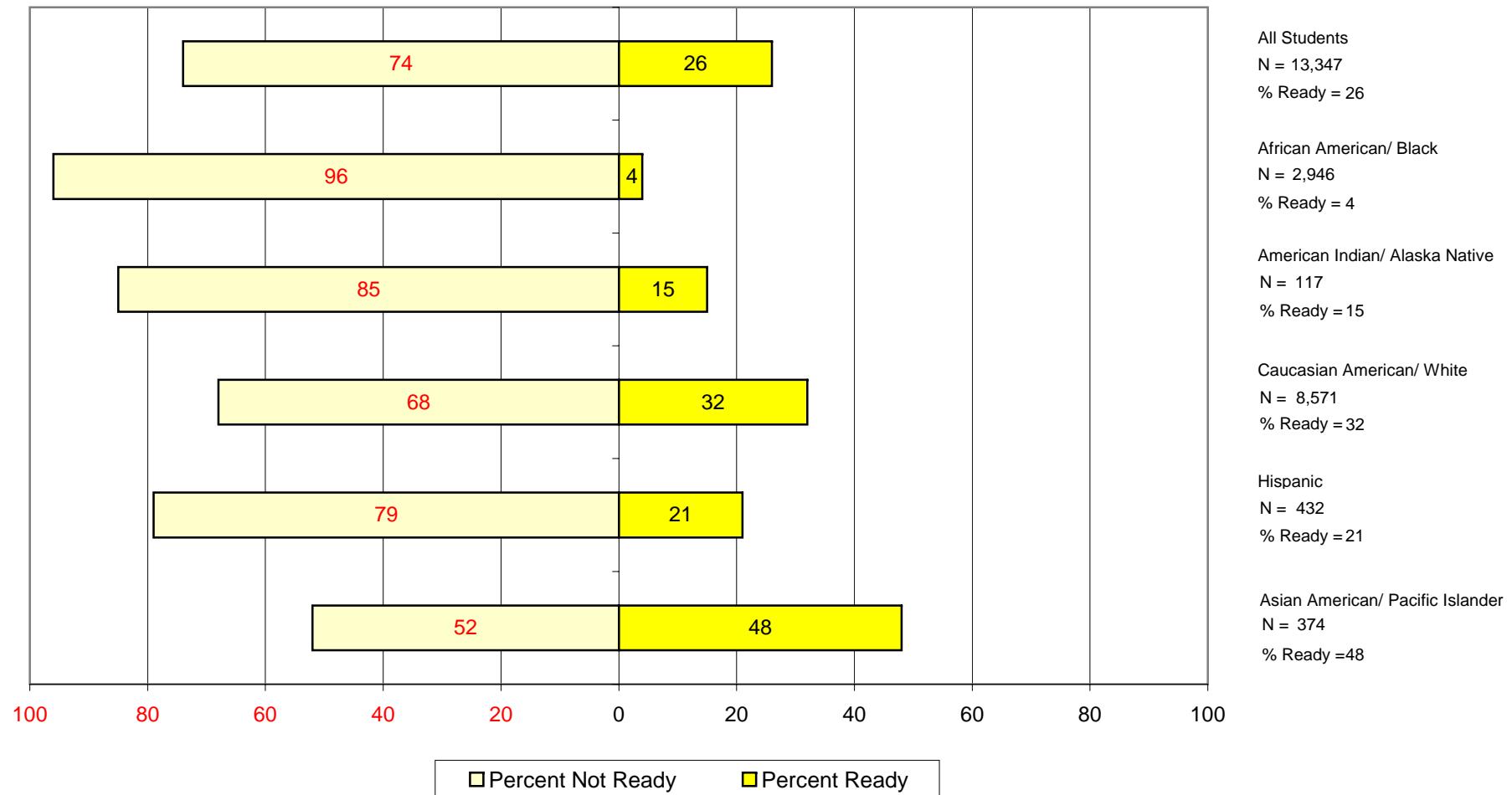
Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

Course Pattern	All Students					Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	
ENGLISH COURSE PATTERN													
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	2,548	19	22.5	4.4	1,023	18	21.9	4.3	1,519	20	22.9	4.2	
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	10,366	78	20.6	2.5	4,461	78	20.1	2.5	5,883	77	20.9	2.2	
Less than 4 years of English	165	1	18.1	-	75	1	17.6	-	88	1	18.7	-	
No English course/grade information reported	268	2	19.7	-	141	2	18.6	-	122	2	21.0	-	
MATHEMATICS COURSE PATTERN	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	
Alg 1, Alg 2, Geom, Trig, & Calc	535	4	25.6	9.4	234	4	26.3	10.0	300	4	25.0	8.9	
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,012	8	22.5	6.3	375	7	22.8	6.5	636	8	22.2	6.1	
Alg 1, Alg 2, Geom, & Trig	342	3	19.9	3.7	136	2	20.0	3.7	206	3	19.8	3.7	
Alg 1, Alg 2, Geom, & Other Adv Math	4,373	33	19.9	3.7	1,596	28	20.2	3.9	2,772	36	19.7	3.6	
Other comb of 4 or more years of Math	5,325	40	24.4	8.2	2,546	45	25.1	8.8	2,760	36	23.7	7.6	
Alg 1, Alg 2, & Geom (Min. Core)	528	4	17.4	1.2	242	4	17.5	1.2	284	4	17.3	1.2	
Other comb of 3 or 3.5 years of Math	563	4	21.8	5.6	246	4	22.1	5.8	317	4	21.6	5.5	
Less than 3 years of Math	397	3	16.2	-	180	3	16.3	-	215	3	16.1	-	
No Math course/grade information reported	272	2	21.3	-	145	3	21.3	-	122	2	21.1	-	
SOCIAL SCIENCE COURSE PATTERN	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	
US Hist, World Hist, Am Gov, & Other Hist	688	5	23.2	3.1	326	6	22.5	2.7	362	5	23.9	3.6	
Other comb of 4 or more years Social Science	5,948	45	23.2	3.1	2,456	43	23.2	3.4	3,478	46	23.2	2.9	
US Hist, World Hist, & Am Gov (Min. Core)	1,804	14	19.6	-0.5	823	14	19.5	-0.3	977	13	19.7	-0.6	
Other comb of 3 or 3.5 years of Social Science	3,750	28	21.4	1.3	1,544	27	21.2	1.4	2,199	29	21.5	1.2	
Less than 3 years of Social Science	882	7	20.1	-	407	7	19.8	-	470	6	20.3	-	
No Soc Sci course/grade information reported	275	2	20.7	-	144	3	19.9	-	126	2	21.6	-	
NATURAL SCIENCE COURSE PATTERN	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	
Gen Sci ² , Bio, Chem, & Phys	4,810	36	22.9	5.4	2,435	43	23.6	6.1	2,361	31	22.1	4.6	
Bio, Chem, Phys	302	2	25.0	7.5	151	3	25.6	8.1	150	2	24.4	6.9	
Gen Sci ² , Bio, Chem (Min. Core)	5,984	45	20.6	3.1	2,048	36	20.8	3.3	3,927	52	20.6	3.1	
Other comb of 3 years of Natural Science	463	3	17.7	0.2	241	4	18.1	0.6	222	3	17.3	-0.2	
Less than 3 years of Natural Science	1,515	11	17.5	-	682	12	17.5	-	827	11	17.5	-	
No Nat Sci course/grade information reported	273	2	20.5	-	143	3	20.4	-	125	2	20.4	-	

¹Course value added is defined as the average ACT score change compared to a less than core course sequence.²Includes General, Physical and Earth Sciences.

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	2,548	19	22.5	78	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	10,366	78	20.6	67	1,029,431	70	20.6	68
Less than 4 years of English	165	1	18.1	53	74,090	5	16.7	42
No English course/grade information reported	268	2	19.7	60	38,830	3	16.1	37
MATHEMATICS COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	535	4	25.6	80	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,012	8	22.5	59	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	342	3	19.9	32	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	4,373	33	19.9	33	220,868	15	20.1	36
Other comb of 4 or more years of Math	5,325	40	24.4	70	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	528	4	17.4	12	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	563	4	21.8	51	70,732	5	20.1	35
Less than 3 years of Math	397	3	16.2	7	105,591	7	16.5	7
No Math course/grade information reported	272	2	21.3	47	40,565	3	17.7	18
SOCIAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	688	5	23.2	63	46,754	3	22.8	61
Other comb of 4 or more years Social Science	5,948	45	23.2	65	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	1,804	14	19.6	39	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	3,750	28	21.4	53	420,236	28	21.3	52
Less than 3 years of Social Science	882	7	20.1	43	152,775	10	19.7	40
No Soc Sci course/grade information reported	275	2	20.7	46	40,525	3	17.5	26
NATURAL SCIENCE COURSE PATTERN	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	4,810	36	22.9	44	563,824	38	22.2	39
Bio, Chem, Phys	302	2	25.0	62	141,531	10	23.3	47
Gen Sci ¹ , Bio, Chem (Min. Core)	5,984	45	20.6	25	459,833	31	20.1	21
Other comb of 3 years of Natural Science	463	3	17.7	9	41,353	3	19.8	21
Less than 3 years of Natural Science	1,515	11	17.5	8	233,215	16	18.4	11
No Nat Sci course/grade information reported	273	2	20.5	24	40,713	3	17.7	11

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	119	1	19.1	7	3	14.7	102	1	19.4
Architecture & Environmental Design	239	2	21.5	3	1	18.0	224	2	21.6
Business & Management	1,532	11	20.7	15	6	16.5	1,425	12	20.7
Business & Office	70	1	18.4	5	2	15.6	57	0	18.6
Marketing & Distribution	145	1	20.5	1	0	15.0	133	1	20.4
Communications & Comm. Technologies	388	3	22.1	3	1	18.0	369	3	22.1
Community & Personal Services	223	2	17.8	9	4	17.0	201	2	17.9
Computer & Information Sciences	301	2	21.0	5	2	18.8	276	2	21.2
Cross-Disciplinary Studies	43	0	24.1	0	0	.	41	0	24.2
Education	645	5	20.2	10	4	16.2	604	5	20.3
Teacher Education	420	3	19.4	4	2	15.3	385	3	19.4
Engineering	571	4	24.2	7	3	15.6	534	5	24.3
Engineering-Related Technologies	341	3	22.1	5	2	18.4	314	3	22.3
Foreign Languages	83	1	24.7	1	0	15.0	76	1	24.9
Health Sciences & Allied Health Fields	2,649	20	20.9	68	29	17.6	2,461	21	21.0
Human, Family & Consumer Science	116	1	18.9	8	3	14.9	104	1	19.1
Letters	79	1	25.3	0	0	.	71	1	25.2
Mathematics	93	1	23.6	0	0	.	86	1	23.3
Philosophy, Religion & Theology	115	1	22.2	1	0	17.0	104	1	22.3
Sciences (Biological & Physical)	1,237	9	24.1	2	1	20.0	1,179	10	24.1
Social Sciences	900	7	22.8	6	3	15.7	846	7	22.9
Trade & Industrial	45	0	18.9	15	6	18.2	29	0	19.3
Visual & Performing Arts	732	5	21.2	26	11	17.4	649	5	21.3
Undecided	1,799	13	22.3	27	12	16.7	1,517	13	22.5
No Response	462	3	19.9	3	1	13.7	79	1	19.1

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N count for All Students.

²Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/Black		American Indian/Alaska Native		Caucasian American/White		Hispanic		Asian American/Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	24	16.7	6	14.7	0	.	17	17.0	0	.	0	.	1	23.0
2-yr College Degree	207	17.0	60	14.9	6	16.5	122	18.1	10	15.8	2	20.5	7	16.4
Bachelors Degree	4,997	19.9	1,160	15.9	38	19.1	3,360	21.3	146	19.7	66	20.8	227	20.7
Graduate Study	2,970	23.0	467	18.2	27	21.6	2,159	24.0	81	22.6	63	24.5	173	22.8
Prof. Level Degree	3,899	23.1	986	18.6	38	19.4	2,211	24.8	150	22.0	206	26.4	308	23.6
Other	184	17.7	65	15.1	1	17.0	86	19.7	11	15.8	6	16.5	15	19.1
No Response	1,066	21.9	202	15.9	7	21.6	616	23.6	34	20.4	31	24.0	176	22.5

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
NORTH CAROLINA STATE UNIV AT RALEIGH	North Carolina	2,533	750	1,783	1	5	17	32	29	15	2
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	2,494	1,048	1,446	0	3	11	24	33	24	4
EAST CAROLINA UNIVERSITY	North Carolina	2,015	641	1,374	1	12	36	32	16	4	0
APPALACHIAN STATE UNIVERSITY	North Carolina	1,838	599	1,239	1	5	23	37	25	9	1
UNIV OF NORTH CAROLINA AT WILMINGTON	North Carolina	1,642	379	1,263	1	4	23	38	25	8	0
UNIV OF NORTH CAROLINA AT CHARLOTTE	North Carolina	1,354	251	1,103	1	9	31	35	18	5	0
UNIV OF NORTH CAROLINA AT GREENSBORO	North Carolina	1,116	200	916	3	13	35	30	14	5	0
WESTERN CAROLINA UNIVERSITY	North Carolina	800	201	599	2	11	37	33	15	2	0
DUKE UNIVERSITY	North Carolina	643	209	434	1	3	10	17	28	33	8
WAKE FOREST UNIVERSITY	North Carolina	579	99	480	0	7	12	23	32	21	4
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	551	159	392	6	34	41	14	4	1	0
WINSTON-SALEM STATE UNIVERSITY	North Carolina	547	177	370	9	37	41	10	2	1	0
CLEMSON UNIVERSITY	South Carolina	489	98	391	1	4	9	24	35	23	3
ELON UNIVERSITY	North Carolina	472	105	367	1	3	17	26	31	21	1
NORTH CAROLINA CENTRAL UNIVERSITY	North Carolina	464	106	358	9	37	38	13	2	0	0
NCAA ELIGIBILITY CENTER	Indiana	444	213	231	5	17	34	24	14	6	0
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	424	109	315	0	3	12	31	38	15	1
CAMPBELL UNIVERSITY	North Carolina	381	108	273	2	11	32	31	16	8	0
FAYETTEVILLE STATE UNIVERSITY	North Carolina	364	110	254	7	37	42	11	2	1	0
UNIV OF NORTH CAROLINA AT PEMBROKE	North Carolina	362	101	261	6	23	43	20	7	1	0
UNIV OF NORTH CAROLINA AT ASHEVILLE	North Carolina	361	66	295	1	2	21	36	27	13	0
VIRGINIA TECH	Virginia	229	37	192	0	3	9	18	39	28	4
ELIZABETH CITY ST UNIVERSITY	North Carolina	211	50	161	9	39	39	8	4	0	0
LIBERTY UNIVERSITY	Virginia	207	88	119	0	8	29	31	27	4	0
DAVIDSON COLLEGE	North Carolina	202	52	150	0	3	7	15	32	36	6
UNIVERSITY OF GEORGIA	Georgia	197	44	153	0	4	9	25	39	22	1
WINGATE UNIVERSITY	North Carolina	197	40	157	1	12	33	29	20	5	0
GARDNER-WEBB UNIVERSITY	North Carolina	190	32	158	3	10	36	34	12	5	0
COLLEGE OF CHARLESTON	South Carolina	180	36	144	0	0	7	34	41	17	1
LENOIR-RHYNE COLLEGE	North Carolina	174	35	139	3	12	34	32	16	3	0
All Other Institutions		9,936	2,804	7,132	2	12	24	23	21	14	3
Total		31,596	8,947	22,649	2	11	25	27	22	12	2

Section V

Optional Writing Test Results

Total Students in Report: 13,347

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing

	N		English		Average ACT Scores			
					Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	10,320	814,713	21.4	21.5	7.2	7.2	20.8	20.8
African American/Black	2,138	96,225	16.1	16.5	6.5	6.4	16.3	16.5
American Indian/Alaska Native	87	5,489	19.2	18.9	6.9	6.7	18.8	18.5
Caucasian American/White	6,677	497,164	23.0	22.8	7.3	7.3	22.1	21.9
Hispanic	341	85,681	20.4	18.4	7.2	7.0	20.0	18.4
Asian American/Pacific Islander	344	44,716	23.8	23.5	7.6	7.6	22.9	22.8
Other/No Response	733	85,438	22.5	21.4	7.3	7.2	21.7	20.8
Males	4,232	357,025	21.0	21.1	6.9	6.9	20.2	20.3
Females	6,061	455,190	21.7	21.7	7.4	7.4	21.2	21.2
Missing	27	2,498	22.2	22.1	7.4	7.2	21.6	21.3

